

Mouse CDC2 Monoclonal Antibody | anti-CDC2 antibody

CDC2 (Cell Division Cycle 2, G1 to S and G2 to M, CDC28A, CDK1, DKFZp686L20222, MGC111195) (Biotin)

CATALOG # AAA26190	HOST Mouse	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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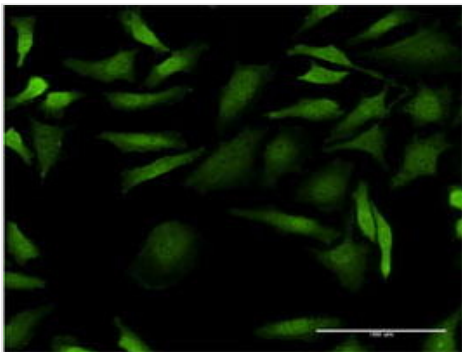
PRODUCT SYNONYMS

CDC2; Monoclonal Antibody; CDC2 (Cell Division Cycle 2; G1 to S and G2 to M; CDC28A; CDK1; DKFZp686L20222; MGC111195) (Biotin); Cell Division Cycle 2; MGC111195; anti-CDC2 antibody

PRODUCT SPECIFICATIONS

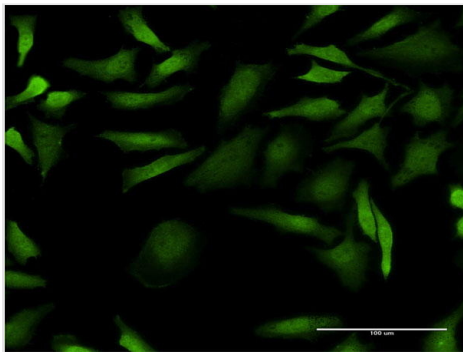
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1G10
Specificity	Recognizes CDC2.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	297
Applicable Applications for anti-CDC2 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	CDC2 (AAH14563, 211aa-297aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DQLFRIFRALGTPNNEVWPEVESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALNHPYFNDLDNQIKKM
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



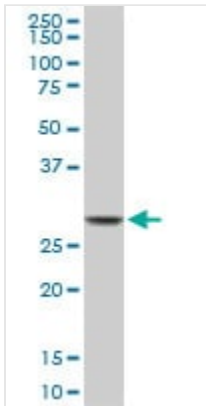
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to CDC2 on HeLa cell. [antibody concentration 10 ug/ml]



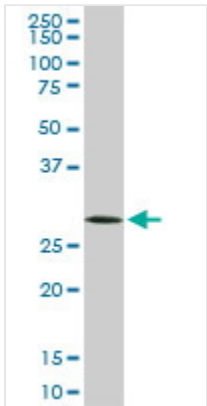
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to CDC2 on HeLa cell. [antibody concentration 10 ug/ml]



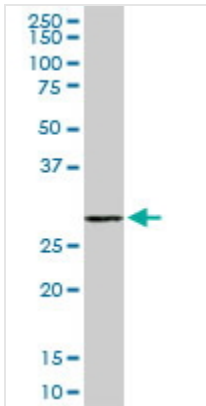
WB (Western Blot)

CDC2 monoclonal antibody (M03), clone 1G10. Western Blot analysis of CDC2 expression in Raw 264.7.



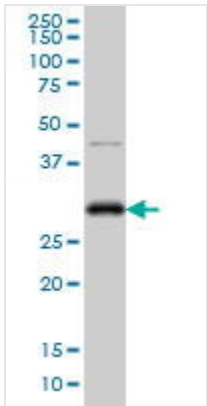
WB (Western Blot)

CDC2 monoclonal antibody (M03), clone 1G10. Western Blot analysis of CDC2 expression in PC-12.



WB (Western Blot)

CDC2 monoclonal antibody (M03), clone 1G10. Western Blot analysis of CDC2 expression in NIH/3T3.



WB (Western Blot)

CDC2 monoclonal antibody (M03), clone 1G10 Western Blot analysis of CDC2 expression in Hela S3 NE.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC2 antibody

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

NCBI AND UNIPROT INFORMATION

NCBI GI #	15778967
NCBI GeneID	983
NCBI Official Full Name	Cell division cycle 2, G1 to S and G2 to M
NCBI Official Synonym Full Names	cyclin dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cdc2-antibody-clone-1g10-immunofluorescence-western-blot-elisa/26190>